

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|--|------------------|---------|------------------|
| L4 | 41 | (piezoelectric adj layer) and ((bottom or lower) adj electrode) and ((upper or top) adj electrode) and (via or opening or hole) and ((bond\$4 adj pad) or (bump adj pad)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/07 16:36 |
| L5 | 9 | (piezoelectric adj layer) and ((bottom or lower) adj electrode) and ((upper or top) adj electrode) and (via or opening or hole) and ((bond\$4 adj pad) or (bump adj pad)).clm. | US-PGPUB | OR | ON | 2006/06/07 16:36 |
| S1 | 1252 | (piezoelectric adj layer) and ((bottom or lower) adj electrode) and ((upper or top) adj electrode) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/07 12:18 |
| S2 | 49 | S1 and (bond\$4 adj pad) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/07 10:11 |
| S3 | 25 | S2 and (opening or trench or recess) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/07 10:19 |
| S4 | 4 | S2 and (opening or hole) and resonator | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/07 10:23 |
| S5 | 2 | ("5873153").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/06/07 10:24 |
| S6 | 2 | ("6740964").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/06/07 10:24 |

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| S7 | 4825 | (piezoelectric or PZ) and ((bottom or lower) adj electrode) and ((upper or top) adj electrode) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/07 12:17 |
| S8 | 505 | S7 and resonator and (opening or hole) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/07 10:30 |
| S9 | 42 | S7 and resonator and (opening or hole) and (bond\$4 pad) and diode | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/07 10:31 |
| S10 | 96 | (piezoelectric or PZ) and electrode and resonator and (opening or hole) and (bond\$4 adj pad) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/07 10:46 |
| S11 | 19 | S10 and diode | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/07 10:49 |
| S12 | 0 | S10 and (schottky adj diode) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/07 10:51 |
| S13 | 11271 | (schottky adj diode) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/07 10:52 |
| S14 | 277 | (schottky adj diode) and resonator | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/07 10:52 |

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|-----|-------|--|---|----|----|------------------|
| S15 | 11 | S14 and (bonding adj pad) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/07 10:53 |
| S16 | 11 | S14 and ((bonding or bond) adj pad) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/07 10:53 |
| S17 | 31458 | (piezoelectric or PZ) and electrode and (via or opening) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/07 12:18 |
| S18 | 692 | (piezoelectric adj layer) and ((bottom or lower) adj electrode) and ((upper or top) adj electrode) and (via or opening or hole) and connect\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/07 12:19 |
| S19 | 219 | S18 and resonator | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/07 13:58 |
| S20 | 692 | (piezoelectric adj layer) and ((bottom or lower) adj electrode) and ((upper or top) adj electrode) and (via or opening or hole) and connect\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/07 15:36 |
| S21 | 219 | S20 and resonator | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/07 13:59 |
| S22 | 85 | S21 and ((via or opening or hole) with ((lower or bottom) adj electrode)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/07 13:59 |

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|-----|----|--|---|----|-----|------------------|
| S23 | 59 | S21 and ((via or opening or hole) near5 ((lower or bottom) adj electrode)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/07 14:00 |
| S24 | 0 | ("2004/0125970").URPN. | USPAT | OR | OFF | 2006/06/07 14:17 |